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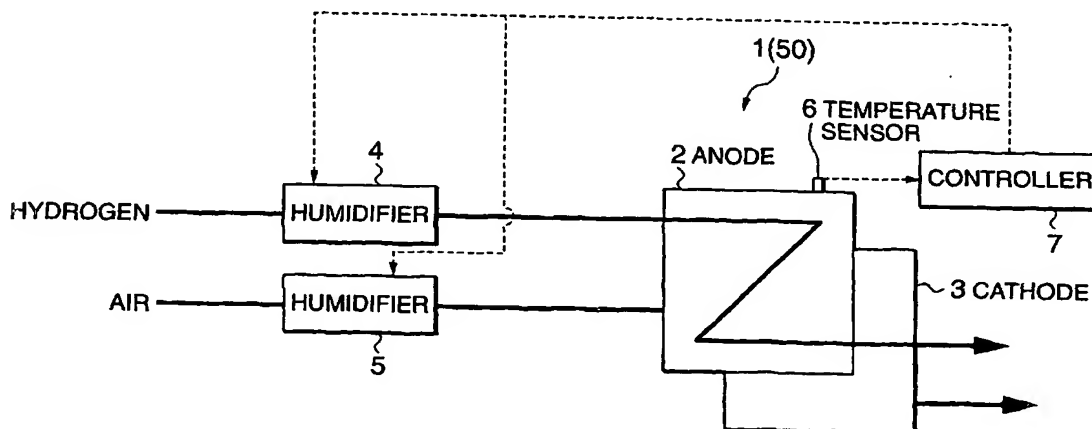
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(54) Title: FUEL CELL SYSTEM



(57) Abstract: Each of fuel cells (1) comprises an electrolyte membrane (10) which is held between an anode (2) and a cathode (3), and is caused to perform power generation by supplying hydrogen to the anode (2) from a hydrogen passage (11) and supplying air to the cathode (3) from an air passage (12). After the fuel cells (1) stop generating power, hydrogen which has been appropriately humidified on the basis of the temperature of the fuel cells (1) is supplied to the anode (2), and air which has been appropriately humidified on the basis of the temperature of the fuel cells (1) is supplied to the cathode (3). By means of this processing, condensed water inside the fuel cells (1) can be removed without causing the electrolyte membrane (10) to dry out, and hence the fuel cells (1) can be restarted easily in low temperatures.

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	US 6 635 374 B1 (NISSAN MOTOR CO., LTD.) 21 October 2003 (2003-10-21) Col. 1, lines 31-62; Col. 2, lines 46-60; Col. 3, lines 1-6; Col. 5, line 41 - Col. 6, line 26; Fig. 1-3; Claims 1 & 10	1-15
P, Y	US 2002/192520 A1 (TOYOTA JIDOSHA K.K.) 19 December 2002 (2002-12-19) P. 1, paragraphs '0007!-'0009!; Fig. 1-7; Claims 1, 16, 19 & 21	1-15
Y	US 6 376 111 B1 (GENERAL MOTORS CORP.) 23 April 2002 (2002-04-23) Col. 1, lines 47-62; Col. 2, lines 54-64; Col. 3, lines 35-41; Col. 4, lines 1-18 & 45-50; Fig. 1 & 2; Claims 1, 7 & 13  -/--	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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A	US 2001/010875 A1 (HONDA GIKEN KOGYO K.K.) 2 August 2001 (2001-08-02) P. 1, paragraphs '0013!-'0014!; Fig. 1-6; Claims 1, 8 & 10	1-15
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